APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/804,268	03/13/2001	Makoto Muraishi	826.1697/JDH	9108

			EXAMINER
21171	7590	04/07/2006	CHUONG, TRUC T

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ART UNIT	PAPER NUMBER
2179	

DATE MAILED: 04/07/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)
Office Action Summary	09/804,268	MURAISHI ET AL.
	Examiner	Art Unit	
	Truc T. Chuong	2179	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) ☒ Responsive to communication(s) filed on <u>19 January 2006</u>.

2a) ☒ This action is **FINAL**.   2b) ☐ This action is non-final.

3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) ☒ Claim(s) <u>1,10,11,14 and 18-25</u> is/are pending in the application.

     4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5) ☐ Claim(s) _____ is/are allowed.

6) ☒ Claim(s) <u>1,10,11,14 and 18-25</u> is/are rejected.

7) ☐ Claim(s) _____ is/are objected to.

8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) ☐ The specification is objected to by the Examiner.

10) ☒ The drawing(s) filed on <u>13 March 2001</u> is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.

     Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

     Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

     a) ☐ All   b) ☐ Some * c) ☐ None of:

         1. ☐ Certified copies of the priority documents have been received.

         2. ☐ Certified copies of the priority documents have been received in Application No. _____.

         3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

     * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)

2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.

4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.

5) ☐ Notice of Informal Patent Application (PTO-152)

6) ☐ Other: _____.

DETAILED ACTION

This communication is responsive to the communication filed 01/19/06.

Claims 1, 10, 11, 14, and 18-25 are pending in this application. In this communication,

claims 1, 10, 11, and 14 are independent and amended, and claims 2-9, 12-13, and 15-17 are

cancelled. This action is made final.

Claim Rejections - 35 USC § 102

1.   The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the

basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

2.   Claims 1, 10, 11, 14, and 18-25 are rejected under 35 U.S.C. 102(a) as being anticipated

by JUnit (Screen Captures 1-33, from www.junit.ogr, and Publication Date was Oct. 18, 2000).

From Internet Browser (Internet Explorer or Netscape) → www.junit.org → a unit test

framework known as JUnit (http://www.junit.org) automates the process of running these tests,

letting you quickly see whether your program returns the results you expect. JUnit testing

software makes the process of running unit tests very simple by providing support for JUnit.

Once you have written a JUnit test class, you can simply choose the "Test Current Document"

command from the Tools menu to run the tests and view the results. The name of the tests being

run will be shown in the Test Output tab, with each test method turning green if it completes

successfully and red if it fails. Without compiling the whole program (software) because the

written software may contains errors, JUnit will automatically generate the objects, based on

defined class and code instructions and code instructions of the program, such as screen, input

fields, command icons, search fields, data ranges etc. (see pages 12, 20, and 21). Page 33 shows

the date can go back to Oct. 18, 2000.

As to claims 1 and 14, JUnit shows a test support apparatus for supporting a test of a

screen program using a graphic user interface, comprising:

a test support class generation unit obtaining screen definition information defining a test

target screen program that generates and controls a screen (JUnit, pages 12 and 20), and

generating a test support class which is a subclass inheriting a class of the test target screen

program responsive to the screen definition information (TestRunner reload all classes for each

test run, page 2 and 10), and a class for testing the test target screen program (Without compiling

the whole program (software) because the written software may contains errors, JUnit will

automatically generate the objects, based on defined class and code instructions and code

instructions of the program, such as screen, input fields, command icons, search fields, data

ranges etc., e.g., pages 12 and 20, and page 21 shows fields and buttons can be simulated for

testing);

a test specification generation unit generating a test specification for the test target screen

program according to the definition information (JUnit will automatically generate the objects,

based on defined class and code instructions and code instructions of the program, such as

screen, input fields, command icons, search fields, data ranges etc., e.g., pages 12 and 20), and

providing the test specification for the test support class (e.g., input fields, command icons,

search fields, data ranges etc., e.g., pages 12 and 20); and

a test execution unit conducting a test of the test target screen program defined by the

screen definition information using the generated test support class to thereby test the screen

program using the graphical user interface (JUnit will automatically generate the objects, based

on defined class and code instructions and code instructions of the program, such as screen, input

fields, command icons, search fields, data ranges etc., e.g., pages 12 and 20); and

a test data generation unit supporting input of input test data (JUnit, e.g., pages 1-12), by

displaying on the screen a menu of a test data and its attribute according to the test specification,

and embedding the test data instructed by an operator in an input field on the screen (e.g., pages

10, 12, and textual TestRunner and graphical TestRunner, page 4).

As to claim 10, this is a method claim of the apparatus claim 1. Note the rejection of

claim 1 above.

As to claim 11, this is a computer program product claim of the apparatus claim 1. Note

the rejections of claim 1 above.

As to claims 18 and 24, JUnit shows the apparatus according to claim 1, wherein

said test specification includes a test item and content of test related to the test data (e.g.,

input fields, command icons, search fields, data ranges etc., e.g., pages 12 and 20), the test

related to the test data, the test item indicating whether the test data is a normal value or an

abnormal value (input fields, data ranges, e.g., page 12 and 20), and the content of test indicating

the type of test item (Testing Key Widgets, e.g., page 13), and

said menu displayed on the screen includes the test item, the type of the test, and the test

data (e.g., pages 12-13, and 20).

As to claims 19 and 25, JUnit teaches the apparatus according to claim 1, wherein

said test support class further deletes the test data executed by the test execution unit

from the menu displayed on the screen (data from the input fields of pages 20 and 23 can be

entered or deleted/removed with new input values).

As to claims 20-21, they are method claims of the apparatus claims 18-19. Note the

rejections of claims 18-19 above respectively.

As to claims 22-23, they are computer program product claims of the apparatus claims

18-19. Note the rejections of claims 18-19 above respectively.

Response to Arguments

Applicant's arguments with respect to claims have been considered but are moot in view

of the new ground(s) of rejection.

Conclusion

3.   The prior art made of record and not relied upon is considered pertinent to applicant's

disclosure.

JUnit a Cook's Tour (Pages 1-12, July 1998) teaches JUnit Framework, testing

tools, and inheriting classes.

Nock et al. (U.S. Patent No. 6,353,897 B1) teach testing object oriented software,

framework, creating applets for testing (cols. 4-11).

4.   Applicant's amendment necessitated the new ground(s) of rejection presented in this

Office action. Accordingly, **THIS ACTION IS MADE FINAL.** See MPEP § 706.07(a).

Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE

MONTHS from the mailing date of this action. In the event a first reply is filed within TWO

MONTHS of the mailing date of this final action and the advisory action is not mailed until after

the end of the THREE-MONTH shortened statutory period, then the shortened statutory period

will expire on the date the advisory action is mailed, and any extension fee pursuant to 37

CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event,

however, will the statutory period for reply expire later than SIX MONTHS from the date of this

final action.

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Truc T. Chuong whose telephone number is 571-272-4134. The

examiner can normally be reached on M-Th and alternate Fridays 8:30 AM - 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Weilun Lo can be reached on (571) 272-4847. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Truc T. Chuong

04/03/06

WEILUN LO
SUPERVISORY PATENT EXAMINER